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OM nucleic - nucleic search, using sw model

Run on: June 23, 2004, 13:55:31 ; Search time 276 Seconds  
(without alignments)  
8836.990 Million cell updates/sec

Title: US-09-652-292C-1  
Perfect score: 4395  
Sequence: 1 GAGGGGGTCTTCCAGGCC.....attatttgaataaaaaaaa 4395

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A-COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B-COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A-COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B-COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS-COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4029	91.7	4385	4	US-10-162-012-43
2	1625.2	37.0	1689	4	Sequence 43, Appl
3	375	8.5	380	4	Sequence 45, Appl
C 4	189.2	4.3	241	4	Sequence 9555, Ap
C 5	189.2	4.3	241	4	Sequence 333, App
C 6	189.2	4.3	241	4	Sequence 333, App
C 7	189.2	4.3	241	4	Sequence 333, App
C 8	189.2	4.3	241	4	Sequence 333, App
9	182.8	4.2	51552	4	Sequence 30, Appl
10	181.8	4.1	55298	4	Sequence 1, Appl
11	180.6	4.1	111282	4	Sequence 3, Appl
C 12	179.2	4.1	55827	4	Sequence 3, Appl
C 13	179.2	4.1	116592	4	Sequence 3, Appl
C 14	178.6	4.1	53332	4	Sequence 3, Appl
15	178	4.1	66804	4	Sequence 3, Appl
16	177.8	4.0	72604	4	Sequence 7, Appl
17	177.8	4.0	72604	4	Sequence 7, Appl
18	177.4	4.0	112132	4	Sequence 3, Appl
19	177.4	4.0	112132	4	Sequence 3, Appl
20	177.2	4.0	9365	4	Sequence 8, Appl
21	177.2	4.0	9365	4	Sequence 8, Appl
22	177.2	4.0	9365	4	Sequence 8, Appl
23	177.2	4.0	9365	4	Sequence 8, Appl
24	177.2	4.0	9365	4	Sequence 8, Appl
25	177.2	4.0	14747	4	Sequence 42, Appl
26	177.2	4.0	14747	4	Sequence 42, Appl
27	177.2	4.0	15977	4	Sequence 59, Appl

C 28	177	4.0	282	1	US-08-133-629-8	Sequence 8, Appl
C 29	177	4.0	29629	4	US-09-729-995-3	Sequence 3, Appl
C 30	177	4.0	29629	4	US-10-135-689-3	Sequence 1, Appl
31	176.2	4.0	168575	4	US-09-426-290-1	Sequence 1, Appl
32	176	4.0	2841	4	US-09-526-193A-24	Sequence 24, Appl
33	176	4.0	14581	4	US-08-520-373D-4	Sequence 4, Appl
34	176	4.0	22481	4	US-08-367-841A-43	Sequence 43, Appl
35	176	4.0	22481	5	PCT-US95-07201-43	Sequence 43, Appl
36	176	4.0	22484	4	US-09-875-223-2	Sequence 2, Appl
37	176	4.0	22484	4	US-09-875-114-2	Sequence 2, Appl
38	175.8	4.0	87350	3	US-08-781-891-79	Sequence 79, Appl
39	175.8	4.0	87350	4	US-09-618-166-79	Sequence 79, Appl
40	175.8	4.0	87543	4	US-09-791-211-3	Sequence 3, Appl
C 41	175.6	4.0	43069	4	US-09-292-542A-1	Sequence 1, Appl
C 42	175.6	4.0	45546	4	US-09-146-053-6	Sequence 6, Appl
C 43	175.6	4.0	64467	4	US-09-803-671B-3	Sequence 3, Appl
C 44	175	4.0	148567	4	US-09-801-876B-3	Sequence 3, Appl
C 45	175	4.0	148567	4	US-10-254-869-3	Sequence 3, Appl

## ALIGNMENTS

RESULT 1  
US-10-162-012-43  
; Sequence 43, Application US/10162012  
; Patent No. 6682597  
; GENERAL INFORMATION:  
; APPLICANT: Curtis, Rory A.J.  
; APPLICANT: Silos-Santiago, Inmaculada  
; APPLICANT: Gu, Wei  
; TITLE OF INVENTION: NOVEL HUMAN ION CHANNEL AND TRANSPORTER FAMILY MEMBERS  
; FILE REFERENCE: 10448-190001  
; CURRENT APPLICATION NUMBER: US/10/162,012  
; CURRENT FILING DATE: 2002-06-04  
; PRIOR APPLICATION NUMBER: US 60/209,845  
; PRIOR FILING DATE: 2000-06-06  
; PRIOR APPLICATION NUMBER: US 09/875,321  
; PRIOR FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: PCT/US01/18340  
; PRIOR FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: US 60/209,257  
; PRIOR FILING DATE: 2000-06-05  
; PRIOR APPLICATION NUMBER: US 09/875,423  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: PCT/US01/18398  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: US 60/209,238  
; PRIOR FILING DATE: 2000-06-05  
; PRIOR APPLICATION NUMBER: US 09/875,363  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: PCT/US01/18247  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: US 60/227,068  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR APPLICATION NUMBER: US 09/928,530  
; PRIOR FILING DATE: 2001-08-13  
; PRIOR APPLICATION NUMBER: PCT/US01/25475  
; PRIOR FILING DATE: 2001-08-15  
; PRIOR APPLICATION NUMBER: US 60/226,770  
; PRIOR FILING DATE: 2000-08-21  
; PRIOR APPLICATION NUMBER: US 09/934,421  
; PRIOR FILING DATE: 2001-08-21  
; PRIOR APPLICATION NUMBER: PCT/US01/26096  
; PRIOR FILING DATE: 2001-08-21  
; PRIOR APPLICATION NUMBER: US 60/279,281  
; PRIOR FILING DATE: 2001-03-28  
; PRIOR APPLICATION NUMBER: US 10/109,029  
; PRIOR FILING DATE: 2002-03-28  
; PRIOR APPLICATION NUMBER: PCT/US02/09728  
; PRIOR FILING DATE: 2002-03-28  
; PRIOR APPLICATION NUMBER: US 60/290,288  
; PRIOR FILING DATE: 2001-05-11



DB TGAAGTCTTGTGTGACCATGACATTTCTCAAGGAATCTCAAGGGTACCAATCTCTGGCA 2204  
QY GAGAGTCTTCCGATATACACCCCTAAATCCAAATGAGGATATCATCTTTCTTAATCTCT 2276  
DB GGAAGTCTCTCCGATATACACCCCTAAATCCAAATGAGGATATCATCTTTCTTAATCTCT 2264  
QY TTTTTCACCTGGCTGGGACATTTTCCGAGGGGGAAGTCTCTTTTCTTAATCTCTTATCAT 2336  
DB TTTTTCACCTGGCTGGGACATTTTCCGAGGGGGAAGTCTCTTTTCTTAATCTCTTATCA 2322  
QY TTTTTCACCTGGCTGGGAGTCTCATCTGTGTGCCAGGCTGGCTGTATCTTTGGCTCACTG 2396  
DB TTTTTCACCTGGCTGGGAGTCTCATCTGTGTGCCAGGCTGGCTGTATCTTTGGCTCACTG 2382  
QY CAACCTCCACTTCTCGGGTCAAGGGAATCTCTCGCTCAGCCCTCTTAAGTGTGGGAT 2456  
DB CAACCTCCACTTCTCGAGTCAAGGGAATCTCTGTGCTCAGCCCTCTTAAGGAGTGGGAC 2442  
QY TACAGGCGGTGCCACCAACCCAGCTAATTTATTTTACGAGATGGGTTTCACTGT 2516  
DB TACAGGCGCATGCAACCATACCCAGCTAATTTATTTTACGAGATGGGTTTCACTGT 2502  
QY GTTGGCCAGGCTGGTGTGAGTCTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 2576  
DB GTTGGCCAGGCTGGTGTGAGTCTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 2562  
QY AGTCTAGGATTTACAGGCTTTTGAATCTTTTATCTGAGTCTTTTATGAGTCTTTTATG 2636  
DB AGTCTAGGATTTACAGGCTTTTGAATCTTTTATCTGAGTCTTTTATGAGTCTTTTATG 2622  
QY TCTTACCCAGGAATTTTATCTTCCACAGCACTCTGACTCTTTGAGCGGAGGCTCAGT 2696  
DB TCTTACCCAGGAATTTTATCTTCCACAGCACTCTGACTCTTTGAGCGGAGGCTCAGT 2682  
QY TCTAGTCTTGGTCTGCTGTGATTTGCTGTAGGAATGACCGGCTCAGTCTTCC 2756  
DB TCTAGTCTTGGTCTGCTGTGATTTGCTGTAGGAATGACCGGCTCAGTCTTCC 2742  
QY ATTGTATTAATGAGGCTGTACAGGCTCATTTCTTAAGATTTTCTCTGACTCCAGTGAG 2816  
DB ATTGTATTAATGAGGAGCTGTACAGGCTCATTTCTTAAGATTTTCTCTGACTCCAGTGAG 2802  
QY CTGGAATTTCTAAATCTGCTGTAGGCTGTCTCCAGGATGGTGCAGGATGGCTTTGGG 2876  
DB CTGGAATTTCTAAATCTGCTGTAGGCTGTCTCCAGGATGGTGCAGGATGGCTTTGGG 2862  
QY AAAGGAGATGGCTTTGGAGGCCAAACAACTGTGTCTCAATATTTGCTCTTGGCCTTTGGC 2936  
DB AAAGGAGATGGCTTTGGAGGCCAAACAACTGTGTCTCAATATTTGCTCTTGGCCTTTGGC 2922  
QY AGCCCTTGAATCTGAGTAAATAACTCCCTGAACTCCTGAGTCTTCTCATCTGCAGAAATG 2996  
DB AGCCCTTGAATCTGAGTAAATAACTCCCTGAACTCCTGAGTCTTCTCATCTGCAGAAATG 2982  
QY GGGATTAATATGCTCCAGGGTATATTTAGACCTGTCTTCCAGGAGGGTCCCGAGC 3056  
DB GGGATTAATATGCTCCAGGGTATATTTAGACCTGTCTTCCAGGAGGGTCCCGAGC 3042  
QY TGGTCCAGGGCTGGGAAATTTCTACTTATCTCAATTTACCCAGTCTCTCTTTGGAGCC 3116  
DB TGGTCCAGGGCTGGGAAATTTCTACTTATCTCAATTTACCCAGTCTCTCTTTGGAGCC 3102  
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DB GTAAAGGAGGAGCTGACAAAGAGCTCCAGATGCTGGGAGGAATGAAGAGCTAAATAGA 3222  
QY TCCTAGGTGCTGGATGCTTTGTGATCCATGCTGTCACATATGGGTGCTGGCAGAGCCGCC 3296

DB TCCTAGGTGCTGGATGCTTTGTCTATCCATGCTGCACATATGGGTGCTGGCAGAGCCGCC 3223  
QY AAGGACTCTGGCCTCTCGAGTCTCTCTATCTCTCTCAATCTAGATGCTTCCCTGTATCC 3356  
DB AAGGACTCTGGCCTCTCGAGTCTCTCTATCTCTCTCAATCTAGATGCTTCCCTGTATCC 3342  
QY AGTGAATGCTGGAGCTGGCTTTGGCAAGCTTGTGAGAGCTGGTGTCTACATTTTCAGGA 3416  
DB AGTGAATGCTGGAGCTGGCTTTGGCAAGCTTGTGAGAGCTGGTGTCTACATTTTCAGGA 3402  
QY TTTTTCACAGTGTGTAAACACAGCCATTTATAAAAAATTAATGATTTAAATTTTATAATTA 3476  
DB TTTTTCACAGTGTGTAAACACAGCCATTTATAAAAAATTAATGATTTAAATTTTATAATTA 3462  
QY AGTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3536  
DB AGTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3522  
QY GTTACTATTAATCTGTGCTTTTGGGCTATTTCTACATAGTAACTCTTATGGAGACCTAGG 3596  
DB GTTACTATTAATCTGTGCTTTTGGGCTATTTCTACATAGTAACTCTTATGGAGACCTAGG 3582  
QY GGAGACACCGGCTCTCTCTGATTTCCCACTCAATGACATCATGTAGTCTTTGGTT 3656  
DB GGAGACACCGGCTCTCTCTGATTTCCCACTCAATGACATCATGTAGTCTTTGGTT 3642  
QY GCTTAACTGGCTGTGGGAGTGTGTGTGTATCACAAGATTTAGAGAGGACTTACATCAG 3716  
DB GCTTAACTGGCTGTGGGAGTGTGTGTGTATCACAAGATTTAGAGAGGACTTACATCAG 3702  
QY GGCTTGAATTTATGCTGT 3776  
DB GGCTTGAATTTATGCTGT 3762  
QY AATGCAAAATTAATCTTTAAAGT 3836  
DB AATGCAAAATTAATCTTTAAAGT 3822  
QY AAAAAATGAGGAGTATTTCTTCCAGT 3896  
DB AAAAAATGAGGAGTATTTCTTCCAGT 3882  
QY GCTCAAAATCAATTAAGAGGAGTCTGACATTTCTTCAATGTTTGTGTGTGTGTGTGTGTGTGTGT 3956  
DB GCTCAAAATCAATTAAGAGGAGTCTGACATTTCTTCAATGTTTGTGTGTGTGTGTGTGTGTGTGT 3942  
QY TCACTAGTGTAAACAAATAATTTCAACAGGATTTCAACAGGATTTCAACAGGATTTCAACAGGATTT 4016  
DB TCACTAGTGTAAACAAATAATTTCAACAGGATTTCAACAGGATTTCAACAGGATTTCAACAGGATTT 4002  
QY TGCTAGTGTACAGTGTATCAGGGATTTTATTTCTGAGTCTAATTTTGTCAATCATGCTG 4076  
DB TGCTAGTGTACAGTGTATCAGGGATTTTATTTCTGAGTCTAATTTTGTCAATCATGCTG 4062  
QY CAAATCCAGTGTATGAGT 4133  
DB CAAATCCAGTGTATGAGT 4122  
QY CAAATATTTCTGTAAAGATCAATTTGGCTATATGGAATTTAGGATTAAGAAATTTTACAAT 4193  
DB CAAATATTTCTGTAAAGATCAATTTGGCTATATGGAATTTAGGATTAAGAAATTTTACAAT 4182  
QY AAAGAAATTTTCAATAAAGAGTGTATTTATTTGTAAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 4253  
DB AAAGAAATTTTCAATAAAGAGTGTATTTATTTGTAAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 4242  
QY CTTTATCTGTAAATTTTATACACAAAAATTTAAACAAAGATTTCTGTAAAGATTTTAAAT 4313  
DB CTTTATCTGTAAATTTTATACACAAAAATTTAAACAAAGATTTCTGTAAAGATTTTAAAT 4302  
QY GGCTATATGGAATTTTAGGATAGAAATTTTACAAATAAAGAGTATTTTACAAATTAAGA 4368  
DB GGCTATATGGAATTTTAGGATAGAAATTTTACAAATAAAGAGTATTTTACAAATTAAGA 4357



QY 1438 GGGCCCCCTCTGCGCGCTCGGGGGGATGCACTGCTGCGCTGGACCGCACTGCTGCTG 1497  
 DB 1252 GGGCCCCCTCTGCGCGCTCGGGGGGATGCACTGCTGCGCTGGACCGCACTGCTGCTG 1311  
 QY 1498 ATGGTCTTTGTCAGTGCCTTCTCTTGGGTTTGGGCCAGTACCTGGCTTGCCTCAGC 1557  
 DB 1312 ATGGTCTTTGTCAGTGCCTTCTCTTGGGTTTGGGCCAGTACCTGGCTTGCCTCAGC 1371  
 QY 1558 GAGATCTACCTGTGGAGATACGAGAGAGAGCTTCCCTCTTGCACACAGCTTCAACTGG 1617  
 DB 1372 GAGATCTACCTGTGGAGATACGAGAGAGAGCTTCCCTCTTGCACACAGCTTCAACTGG 1431  
 QY 1618 GCGGCCCAACCTTTCATCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1677  
 DB 1432 GCGGCCCAACCTTTCATCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1491  
 QY 1678 TGGACCTTCT 1737  
 DB 1492 TGGACCTTCT 1551  
 QY 1738 GTTCTTGAACAAAAGCCAGTCTGTTGGCAGAGATAGACAGAGTTCAGAGAGACGG 1797  
 DB 1552 GTTCTTGAACAAAAGCCAGTCTGTTGGCAGAGATAGACAGAGTTCAGAGAGACGG 1611  
 QY 1798 TTCACTCTGAGCTTGGCCACAGGAGAGAACTCCACTGGCATCCGTCACGCGCATCGAG 1857  
 DB 1612 TTCACTCTGAGCTTGGCCACAGGAGAGAACTCCACTGGCATCCGTCACGCGCATCGAG 1671  
 QY 1858 ATCTCTGCGGCTCTCTGA 1875  
 DB 1672 ATCTCTGCGGCTCTCTGA 1689

RESULT 3

US-09-621-976-9555  
 ; Sequence 9555, Application US/09621976  
 ; Patent No. 6639063  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dumas Milne Edwards, J.B.  
 ; APPLICANT: Giordano, J.V.  
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
 ; FILE REFERENCE: GENSET.054PR2  
 ; CURRENT APPLICATION NUMBER: US/09/621,976  
 ; CURRENT FILING DATE: 2000-07-21  
 ; NUMBER OF SEQ ID NOS: 19335  
 ; SOFTWARE: Patent.pm  
 ; SEQ ID NO 9555  
 ; LENGTH: 380  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-621-976-9555

Query Match 8.5%; Score 375; DB 4; Length 380;  
 Best Local Similarity 100.0%; Pred. No. 2.9e-78;  
 Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3539 TACTATTATCTGTGCTTTGAGGCTATTTCTACATAGTAACCTCTATGGAGACCTAGGG 3598  
 DB 6 TACTATTATCTGTGCTTTGAGGCTATTTCTACATAGTAACCTCTATGGAGACCTAGGG 65  
 QY 3599 AGACACCGGATCTCTTCTGATTTCCCACTCAATGACATCATGTTAGTCTTTGGTTGC 3658  
 DB 66 AGACACCGGATCTCTTCTGATTTCCCACTCAATGACATCATGTTAGTCTTTGGTTGC 125  
 QY 3659 TTAACCTGCTGCGGAGCTTTTGTATCACAAGATTTAGAGGAGCTACACATCAGGG 3718  
 DB 126 TTAACCTGCTGCGGAGCTTTTGTATCACAAGATTTAGAGGAGCTACACATCAGGG 185  
 QY 3719 CTGATTTATGTTGTTGATTTCTTAGACTTTCAGAACTGCTGGATATAATGTCAGTAA 3778  
 DB 186 CTGATTTATGTTGTTGATTTCTTAGACTTTCAGAACTGCTGGATATAATGTCAGTAA 245

QY 3779 TGCAATTAACATTTAAAGTATGCTTCTTTGTAGCCCAATACATGCTGTATAGCACAAA 3838  
 DB 246 TGCAATTAACATTTAAAGTATGCTTCTTTGTAGCCCAATACATGCTGTATAGCACAAA 305  
 QY 3839 AAATGAGGAGTATTTCTTCCAGTAGTTGAACACATGCTCATCCGTTTCAGCTGACAGTGC 3898  
 DB 306 AAATGAGGAGTATTTCTTCCAGTAGTTGAACACATGCTCATCCGTTTCAGCTGACAGTGC 365  
 QY 3899 TCAATCATTTAAGA 3913  
 DB 366 TCAATCATTTAAGA 380

RESULT 4

US-09-389-681-333/c  
 ; Sequence 333, Application US/09389681A  
 ; Patent No. 6518237  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yuqui, Jiang  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Xu, Jiangchun  
 ; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND  
 ; FILE REFERENCE: 210121.470C3  
 ; CURRENT APPLICATION NUMBER: US/09/389,681A  
 ; CURRENT FILING DATE: 1999-09-02  
 ; NUMBER OF SEQ ID NOS: 463  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 333  
 ; LENGTH: 241  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (1)..(241)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-389-681-333

Query Match 4.3%; Score 189.2; DB 4; Length 241;  
 Best Local Similarity 87.0%; Pred. No. 6.6e-35;  
 Matches 200; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 4162 ATATGGAATTTAGGATAAAGAATATTTACAATAAAGAATATTTACAATAAAGAATTTATT 4221  
 DB 241 ATATGGAATTTAGGATAAAGAATATTTACAATAAAGAATATTTACAATAAAGAATTTATT 182  
 QY 4222 ATTATTTGTAAGTTGTGTGCAACAAACATACCCCTTTATCTCTGTAATAATTTATACACA 4281  
 DB 181 ATTATTTGTAAGTTGTGTGCAACAAACATACCCCTTTATTTTGTAAAAATTTATACACNCA 122  
 QY 4282 AAAATTAACAAAGAATTTCTGTAAGAATTAATTTGGCTATATGGAATTTAGGATAGAAATTT 4341  
 DB 121 AAAATTAACAAAGAATTTCTGTAAGAATTAATTTGGCTATATGGAATTTAGGATAGAAATTT 62  
 QY 4342 TACAATAAAGATTTTACAATAAAGAGTTTGTGTTATTTATTTGTAATAAAAA 4391  
 DB 61 TACAATAAAGATTTTACAATAAAGAGTTTGTGTTATTTATTTGTAATAAAAA 12

RESULT 5

US-09-620-405B-333/c  
 ; Sequence 333, Application US/09620405B  
 ; Patent No. 6528054  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Yugu  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Harlocker, Susan L.  
 ; APPLICANT: Hepler, William T.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620.405B  
CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 333  
LENGTH: 241  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(241)  
OTHER INFORMATION: n = A,T,C or G  
US-09-620-405B-333

Query Match 4.3%; Score 189.2; DB 4; Length 241;  
Best Local Similarity 87.0%; Pred. No. 6.6e-35;  
Matches 200; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 4162 ATATGGAATTTAGGATAAAGAAATTTTACAATAAAGAAATTTTACAATAAAGAGTTTATT 4221  
DB 241 ATATGGAATTTAGGATAAAGAAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 182

QY 4222 ATTATTTGTAAGTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4281  
DB 181 ATATTTGTAAGTTGTGCAACAACATACCCCTTTATTTTGTAAAATTTTATACNCNCA 122

QY 4282 AAAATTAACAAGAGTTCTGTAAGAATTAATGGCTATATGGAATTTAGGATAGAAATTT 4341  
DB 121 AAAATTAACAAGATTTTGTAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 62

QY 4342 TACAATAAAGAGTTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4391  
DB 61 TACAATAAAGATTTTNCATAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 12

RESULT 6  
US-09-433-826B-333/c  
Sequence 333, Application US/09433826B  
Patent No. 6579973  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yuqu  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND  
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE  
CURRENT APPLICATION NUMBER: US/09/433.826B  
CURRENT FILING DATE: 1999-11-03  
NUMBER OF SEQ ID NOS: 474  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 333  
LENGTH: 241  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(241)  
OTHER INFORMATION: n = A,T,C or G  
US-09-433-826B-333

Query Match 4.3%; Score 189.2; DB 4; Length 241;  
Best Local Similarity 87.0%; Pred. No. 6.6e-35;  
Matches 200; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 4162 ATATGGAATTTAGGATAAAGAAATTTTACAATAAAGAAATTTTACAATAAAGAGTTTATT 4221  
DB 241 ATATGGAATTTAGGATAAAGAAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 182

QY 4222 ATTATTTGTAAGTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4281

Db 181 ATTATTTGTAAGTTGTGCAACAACATACCCCTTTATTTTGTAAAATTTTATACNCNCA 122

QY 4282 AAAATTAACAAGAGTTCTGTAAGAATTAATGGCTATATGGAATTTAGGATAGAAATTT 4341

Db 121 AAAATTAACAAGATTTTGTAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 62

QY 4342 TACAATAAAGAGTTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4391

Db 61 TACAATAAAGATTTTNCATAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 12

RESULT 7  
US-09-604-287A-333/c  
Sequence 333, Application US/09604287A  
Patent No. 6586572  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yuqu  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER  
FILE REFERENCE: 210121.470C7  
CURRENT APPLICATION NUMBER: US/09/604.287A  
CURRENT FILING DATE: 2000-06-22  
NUMBER OF SEQ ID NOS: 489  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 333  
LENGTH: 241  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)-(241)  
OTHER INFORMATION: n = A,T,C or G  
US-09-604-287A-333

Query Match 4.3%; Score 189.2; DB 4; Length 241;  
Best Local Similarity 87.0%; Pred. No. 6.6e-35;  
Matches 200; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 4162 ATATGGAATTTAGGATAAAGAAATTTTACAATAAAGAAATTTTACAATAAAGAGTTTATT 4221  
DB 241 ATATGGAATTTAGGATAAAGAAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 182

QY 4222 ATTATTTGTAAGTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4281

Db 181 ATATTTGTAAGTTGTGCAACAACATACCCCTTTATTTTGTAAAATTTTATACNCNCA 122

QY 4282 AAAATTAACAAGAGTTCTGTAAGAATTAATGGCTATATGGAATTTAGGATAGAAATTT 4341

Db 121 AAAATTAACAAGATTTTGTAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 62

QY 4342 TACAATAAAGAGTTTGTGCAACAACATACCCCTTTATCTCTGTAATAATTTTATACACACA 4391

Db 61 TACAATAAAGATTTTNCATAAANAATTTTCAATAAANAATTTTCAATAAANAAGTTTATT 12

RESULT 8  
US-09-834-759-333/c  
Sequence 333, Application US/09834759  
Patent No. 6680197  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yuqu  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

;; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER  
;; FILE REFERENCE: 210121.470C9  
;; CURRENT APPLICATION NUMBER: US/09/834,759  
;; CURRENT FILING DATE: 2001-04-13  
;; NUMBER OF SEQ ID NOS: 547  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO 333  
;; LENGTH: 241  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: misc feature  
;; LOCATION: (1)..(241)  
;; OTHER INFORMATION: n = A,T,C or G  
US-09-834-759-333

Query Match 4.3%; Score 189.2; DB 4; Length 241;  
Best Local Similarity 87.0%; Pred. No. 6.6e-35;  
Matches 200; Conservative 0; Mismatches 30; Indels 0; Gaps 0;  
  
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DB 241 ATATGGAATTTAGGATAAAGATATTTACAATAAAGAATATTTACAATAAAGAGTTTATT 182  
  
QY 4222 ATATTTGTAAGTTGTGTGCAACAACATACCCCTTTATCTCTGTAAATTTATACACACA 4281  
DB 181 ATATTTGTAAGTTGTGTGCAACAACATACCCCTTTATTTTCTGTAATTTATACACAC 122  
  
QY 4282 AAAATTAACAAGATTTCTGTGAAGATTAATTTGGCTATATGGATTTAGGATAGATATT 4341  
DB 121 AAAATTAACAAGATTTCTGTGAAGATTAATTTGGCTATATGGATTTAGGATAGATATT 62  
  
QY 4342 TACAATAAAGAGTATTTACAATAAAGAGTTTGTATTATTTGTAAAAAAA 4391  
DB 61 TACAATAAAGAGTATTTACAATAAAGAGTTTGTATTATTTGTAAAAAAA 12

RESULT 9  
US-09-733-294A-30  
;; Sequence 30, Application US/09733294A  
;; Patent No. 6492171  
;; GENERAL INFORMATION:  
;; APPLICANT: Brett P. Monia  
;; APPLICANT: William Gaerde  
;; APPLICANT: Susan M. Preler  
;; APPLICANT: Edward V. Wanciewicz  
;; TITLE OF INVENTION: ANTIGENSE MODULATION OF TERT EXPRESSION  
;; FILE REFERENCE: ISPH-0527  
;; CURRENT APPLICATION NUMBER: US/09/733,294A  
;; CURRENT FILING DATE: 2000-12-07  
;; PRIOR APPLICATION NUMBER: 09/572,423  
;; PRIOR FILING DATE: 2000-05-16  
;; NUMBER OF SEQ ID NOS: 108  
;; SEQ ID NO 30  
;; LENGTH: 51552  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: exon  
;; LOCATION: (1)..(11492)  
;; OTHER INFORMATION: exon 1  
;; NAME/KEY: intron  
;; LOCATION: (11493)..(11596)  
;; OTHER INFORMATION: intron 1  
;; NAME/KEY: exon  
;; LOCATION: (11597)..(12950)  
;; OTHER INFORMATION: exon 2  
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;; LOCATION: (12951)..(21566)  
;; OTHER INFORMATION: intron 2  
;; NAME/KEY: exon  
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;; OTHER INFORMATION: exon 3

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;; OTHER INFORMATION: intron 3  
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;; LOCATION: (23852)..(24032)  
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;; OTHER INFORMATION: intron 8  
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;; OTHER INFORMATION: unknown  
;; NAME/KEY: exon  
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;; OTHER INFORMATION: exon 9  
;; NAME/KEY: intron  
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;; OTHER INFORMATION: exon 10  
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;; OTHER INFORMATION: exon 11  
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;; OTHER INFORMATION: intron 11  
;; NAME/KEY: exon  
;; LOCATION: (41875)..(42001)  
;; OTHER INFORMATION: exon 12  
;; NAME/KEY: intron  
;; LOCATION: (42002)..(42881)  
;; OTHER INFORMATION: intron 12  
;; NAME/KEY: exon  
;; LOCATION: (42882)..(42943)  
;; OTHER INFORMATION: exon 13  
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;; LOCATION: (46130)..(46254)  
;; OTHER INFORMATION: exon 14  
;; NAME/KEY: intron  
;; LOCATION: (46255)..(47035)  
;; OTHER INFORMATION: intron 14  
;; NAME/KEY: exon



[illegible]

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RESULT 10
US-09-491-356C-1
; Sequence 1, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.60US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 55298
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (485)..(485)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (838)..(838)
; OTHER INFORMATION: n is not determined
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; OTHER INFORMATION: n is not determined
; NAME/KEY: misc feature
; LOCATION: (22750)..(22750)

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Db 46710 GCTGGAGTGCAGTGGCAGCATCTCTCACTGCAACCTCTCTCTCTGGGTTCAGCGA 46651
QY 2424 TTCTCTGCTCCTCAGCTCCTTAAGTAGTGGGATTCAGAGCGGTGCCACCAACCCAGCT 2483
Db 46650 TTCTCTGCTCCTCAGCTCCTCAAGTAGTGGGATTCAGAGTGCACACCAACCCAGCTTCCGCT 46591
QY 2484 AATT-----TATTTTATAGCAGATGGGTTTCACTGTGTTGCCAGGCTGGTCTGTAAGT 2539
Db 46590 AGTTTTTGTATTTTATAGTAGATGGGTTTCACTATATGACCAGGCTGGTCTTGAAGT 46531
QY 2540 CTTGAGCTCAAGTATCCACCCACCTCAGCTTCCAGAGTCTAGGATTACAGGCT 2596
Db 46530 CTTGAGCTCAGGTGATCCACCCACCTTGGCTTCCAAAGTGTGGATTACAGGAT 46474

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RESULT 15
US-09-740-041-3
; Sequence 3, Application US/09740041
; Patent No. 6562593
; GENERAL INFORMATION:
; APPLICANT: MERKULOV, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001001
; CURRENT APPLICATION NUMBER: US/09/740,041
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 66804
; TYPE: DNA
; ORGANISM: Human
US-09-740-041-3

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Query Match 4.1%; Score 178; DB 4; Length 66804;
Best Local Similarity 78.9%; Pred. No. 5.5e-31;
Matches 243; Conservative 0; Mismatches 50; Indels 15; Gaps 2;

QY 2305 AGGGGAACTCTTTTTTACTTCTTATCATTTTTTTTTTTTGGAGTGGAGTCTCATTTCT 2364
Db 39016 ATGTGTTAGTTACATCTTTTCTTTTTTTTTTTTTTTTTTTTTTTTGGATAGAGTCTCGCTCT 39075

QY 2365 GTTGGCCAGGCTG-----GCTGATCTTGGCTCACTGCAACCTCCACTTCTCTGGG 2414
Db 39076 GTAGCCAGGCTGAAGTGGGCGATGATCTCGGCCGTTGCAACATCTGCTTCCAGG 39135

QY 2415 TTCAAGCGATTCTCTGCTCAGCTCCTTAAGTAGTGGGATTCAGGCGGTGCCACCA 2474
Db 39136 TTCAAGCGATTCTCTGCTCAGCTCCTTAAGTAGTGGGATTCAGGCGGTGCCACCA 39195

QY 2475 CACCCAGCTAATT-----TATTTTATAGCAGATGGGTTTCACTGTGTTGGCCAGGCTG 2529
Db 39196 CACCCGGCTAATTTTGTATTTTATAGTAGATGGGTTTACCATGTTGGCCAGGCTG 39255

QY 2530 GTCTGAACTCTGAGTCAAGTATCCACCCACCTCAGCTTCCAGAGTCTAGGATTA 2589
Db 39256 GTCTGAACTCTGAGTCAAGTATCCACCCACCTCAGCTTCCAGAGTCTAGGATTA 39315

QY 2590 CAGGCCTT 2597
Db 39316 CAGGTGTT 39323

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Search completed: June 23, 2004, 17:19:42  
Job time : 279 secs